SAFETY CONSTRUCTION

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jug handles

NEW JERSEY
DEPARTMENT OF
TRANSPORTATION

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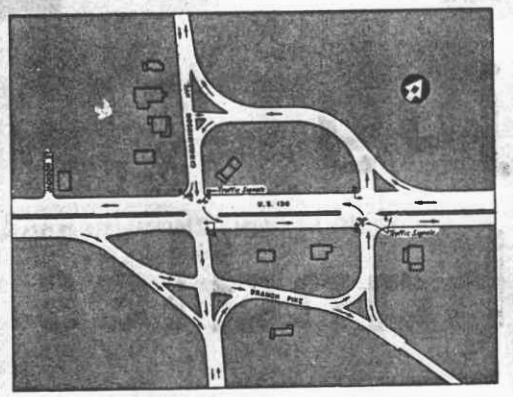

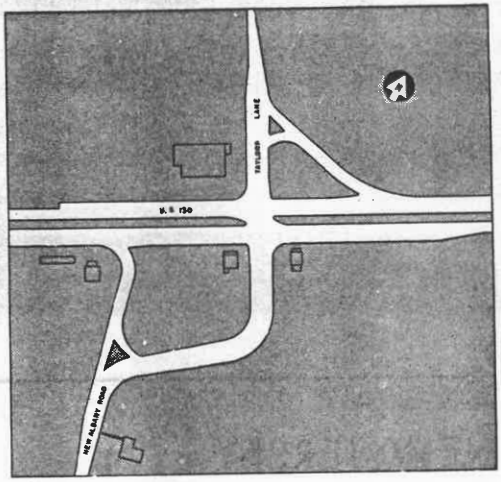

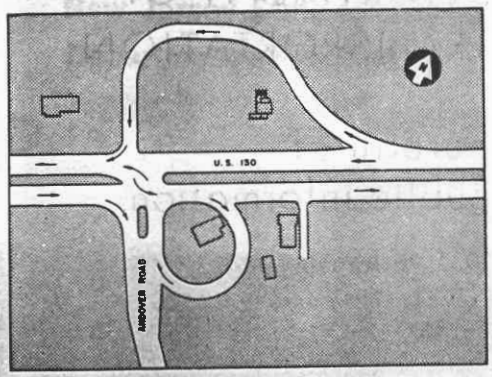

In order to provide maximum safety for drivers using heavily traveled highways in New Jersey, the Transportation Department is continually improving the State Highway System. One of the most important devices used is the "jughandle" ramp for left and "U" turns.

The term "jughandle" is derived from the fact that the basic ramp, when looked upon from the air, resembles the shape of a handle on an earthen jug. The three diagrams show variations that best serve the particular condition in its location.

These ramps take off from the right lane of the highway in advance of a predesignated "U" turn, or of an intersection, or past the intersection, and convey traffic across the main highway--usually under traffic-signal control. This movement eliminates all turns from within active traffic lanes and, in addition to providing greater safety, reduces delays that such turns usually create.

Since 1952, some 529 jughandles have been constructed under the department's safety-improvement program, at an estimated average cost of $50,000 each.

SAFETY CONSTRUCTION SUMMARY

1949 up to December 19, 1969

	Completed and Underway
Center Barriers	194 miles
Creeper Lanes	42 units
Jughandles	529 units
Overpasses	621 units

In addition, the department's safety policy regarding highway shoulders is: (1) 12-foot minimum outside width on new highways; (2) existing ones to be widened to a minimum of 10 feet, preferably 12 feet; (3) and existing ones to be stabilized to provide a firmer surface.

Another very important safety accomplishment has been the painting of reflecting white lines on the outer edges of all the 2,010 miles in the State Highway System. These lines are in addition to the normal center-line and inner traffic-lane delineations. The outer-edge markings have been particularly effective in outlining the road limits to motorists who travel during heavy fog and darkness.

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